

1 21. The system of claim 14, wherein the execution of the boot device driver program
2 further comprises:
3 determining size of the emulated hard disk defined by the boot sector size;
4 configuring a memory size of the RAM disk prior to the copying of the contents of the
5 boot sector, wherein the configured RAM disk memory size is consistent with
6 the size of the emulated hard disk.

1 22. The system of claim 14, wherein modifying the boot operating system enables
2 loading of a second removable medium of the computer system on removal of the removable
3 medium.

1 23. The system of claim 22, wherein the second removable medium includes an image
2 of a preferred operating system of the computer system.

1 24. The system of claim 14, wherein modifying the boot operating system comprises
2 modifying a device manager included in the boot operating system.

1 25. The system of claim 24, wherein modifying the device manager comprises
2 modifying values for an ARC name and at least one physical disk information table
3 associated with the boot operating system.

1 26. The system of claim 14, wherein the contents of the boot sector comprise the boot
2 operating system and the boot device driver program stored as the embedded image.

27. A computer-readable medium having a computer program accessible therefrom,
 wherein the computer program comprises instructions for:
 executing a boot device driver program, wherein the boot device driver program is
 executed by a boot operating system, wherein the boot operating system is
 loaded by the boot device during a boot of a computer system;
 copying contents of a boot sector of a removable medium of the boot device to a
 RAM disk using the boot device driver program, wherein the boot operating
 system and the boot device driver program are stored as an embedded image
 on the boot sector of the removable medium, wherein the RAM disk
 comprises memory of the computer system allocated to emulate a hard disk;
 modifying the boot operating system using the boot device driver program to redirect
 boot media I/O to the RAM disk, wherein the memory based boot operating
 system enables the removal of the removable medium.